

Title (en)

Novel hybrid bacillus thuringiensis gene, plasmid, and transformed pseudomonas fluorescens.

Title (de)

Bacillus-thuringiensis-Hybridgen, Plasmid und transformiertes Pseudomonas fluorescens.

Title (fr)

Gène d'hybride de bacillus thuringiensis, plasmide et pseudomonas fluorescens transformé.

Publication

EP 0325400 A1 19890726 (EN)

Application

EP 89300388 A 19890117

Priority

US 14699788 A 19880122

Abstract (en)

A novel hybrid Bacillus thuringiensis toxin gene toxic to lepidopteran insects has been cloned. The DNA encoding the Bacillus thuringiensis toxin can be used to transform various prokaryotic and eukaryotic microbes to express the Bacillus thuringiensis toxin. These recombinant microbes can be used to control lepidopteran insects in various environments.

IPC 1-7

A01N 63/00; **C07H 21/04**; **C07K 13/00**; **C12N 1/20**; **C12N 5/00**; **C12N 15/00**

IPC 8 full level

A01N 63/00 (2006.01); **A01N 63/02** (2006.01); **C07K 14/00** (2006.01); **C07K 14/195** (2006.01); **C07K 14/325** (2006.01); **C07K 14/41** (2006.01); **C12N 1/15** (2006.01); **C12N 1/19** (2006.01); **C12N 1/20** (2006.01); **C12N 1/21** (2006.01); **C12N 15/09** (2006.01); **C12N 15/32** (2006.01); **A61K 38/00** (2006.01); **C12R 1/07** (2006.01); **C12R 1/39** (2006.01)

CPC (source: EP)

C07K 14/325 (2013.01); **A61K 38/00** (2013.01)

Citation (search report)

- EP 0193259 A1 19860903 - PLANT GENETIC SYSTEMS NV [BE]
- EP 0269601 A2 19880601 - MONSANTO CO [US]
- EP 0213818 A1 19870311 - MYCOGEN CORP [US]
- US 4448885 A 19840515 - SCHNEPF H ERNEST [US], et al

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

EP 89300388 A 19890117; AT 89300388 T 19890117; DE 68914477 T 19890117; ES 89300388 T 19890117; JP 1302189 A 19890120